

# CONTROL CIRCUIT OF VOLTAGE SAG IMMUNITY

## Abstract

A control circuit for preventing equipment from being damaged by voltage sag uses a modular circuit having a rectifier, an electricity storing device or a control relay to perform functions of charging, discharging, and controlling. The modular circuit can be applied to control circuits of all equipment for increasing stability of the equipment. When a power source of the control circuit has voltage sag, the electricity storing device discharges for assisting a winding of a magnetic switch in riding through a temporary period of demagnetization. Consequently, the main connections keep contact for preventing the power source from being broken and also preventing the equipment from being damaged.